SELF-DESCRIBING ASSET CATALOG

MOTIVATION > 2

- Digital Assets are essential for any enterprise
- Digital Assets are diverse
- Digital Assets are ubiquitous and need to be distributed, they frequently end up in incompatible environments due to distribution
- Digital Assets are essential for collaborative science and engineering

APPROACH ←®→

- Associate metadata with digital assets
- Make assets self-describing
- Use GitHub as the backend to store and maintain the digital assets
- Make it easy to create, update, delete and search the digital assets

THE PROBLEM



A mechanism to share digital assets Whether the digital asset is data or an AI model

Which is simple Can be started off in a simple manner

Which is flexible Does not impose constraints on what is shared

Which is extensible Allows for additional information as needed

CLI TOOL

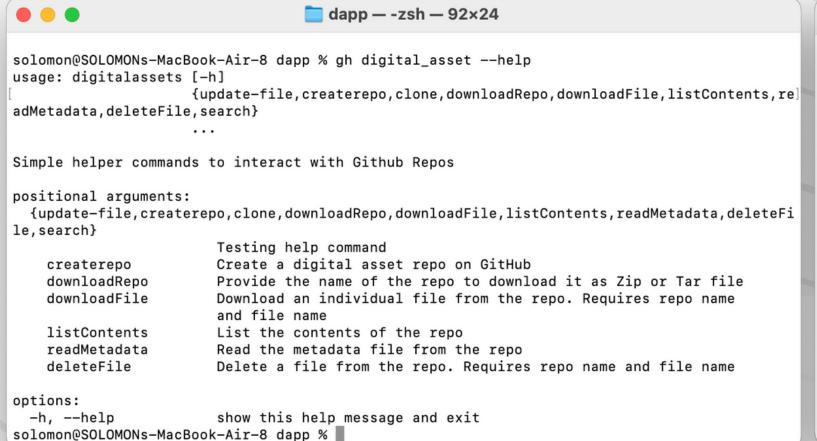


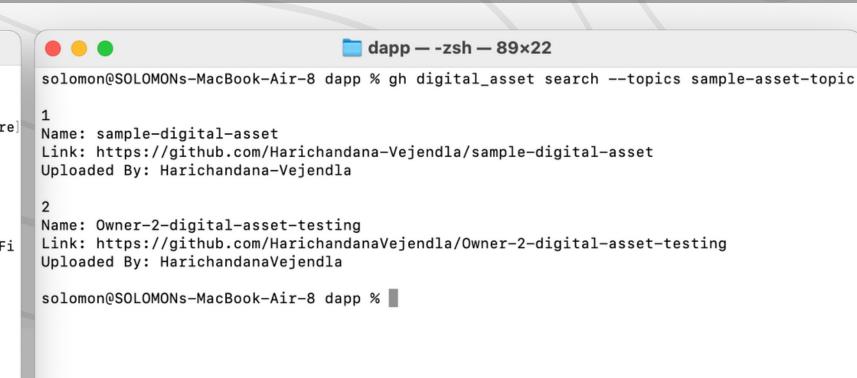
- A GitHub CLI extension that can be downloaded and installed by anyone
- Each asset is associated with metadata.json file which describes the asset

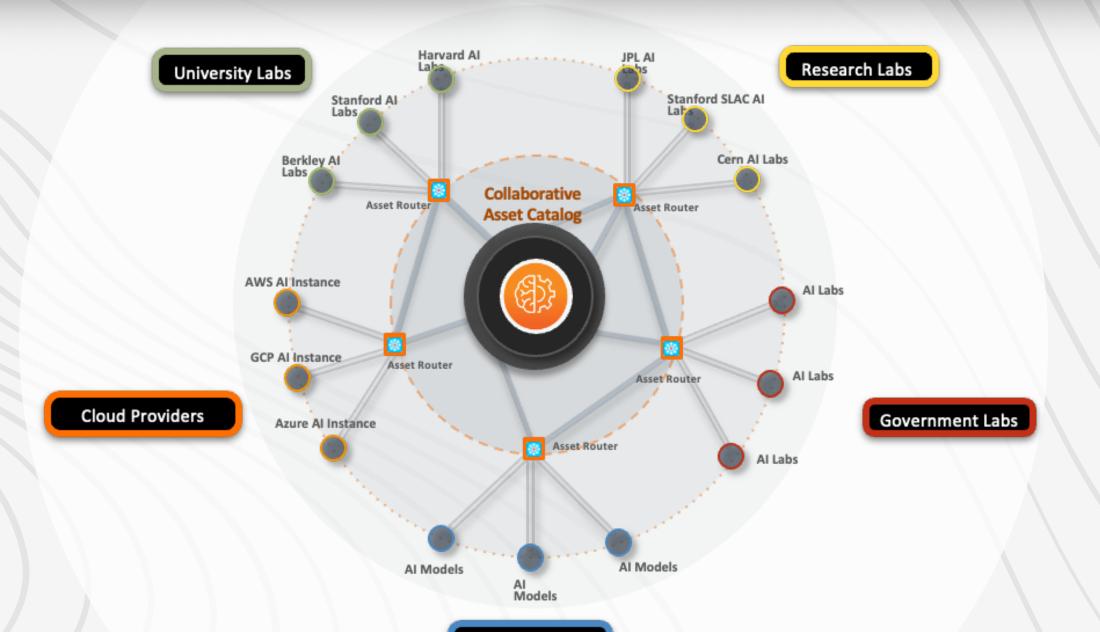
FEATURES



- Create an asset, update an asset, search an asset and delete an asset
- Any updates to an existing digital asset, the user can check/ track the updates







Enterprise R&D



